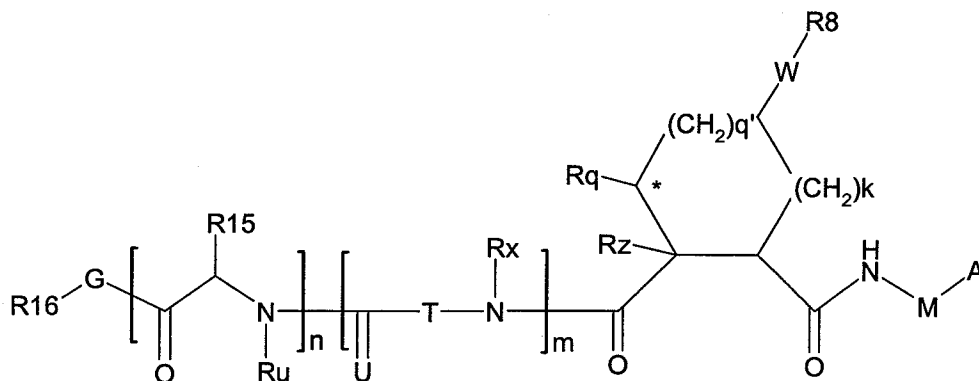


Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) A compound of [[the]] formula VI:



VI

wherein

A is C(=O)OR¹, or C(=O)NHSO₂R², C(=O)NHR³, or CR⁴R^{4'} wherein;

R¹ is hydrogen, or C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl;

R² is C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl;

~~R³ is C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, OC₁-C₆alkyl, OC₀-C₃alkylcarbocyclyl, OC₀-C₃alkylheterocyclyl;~~

~~R⁴ is halo, amino, or OH; or R⁴ and R^{4'} together are =O;~~

~~R^{4'} is C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl;~~

wherein R², R³, and R^{4'} are is each optionally substituted ~~from~~ with 1 to 3 substituents

independently selected from the group consisting of halo, oxo, nitrile, azido, nitro, C₁-C₆alkyl,

C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, NH₂C(=O)-, Y-NRaRb, ~~Y-O-Rb~~ Y-O-Rb, Y-

C(=O)Rb, Y-(C=O)NRaRb, Y-NRaC(=O)Rb, Y-NHSO_pRb, Y-S(=O)_pRb, Y-S(=O)_pNRaRb, ~~Y-~~

~~C(=O)ORb~~ Y-C(=O)ORb and Y-NRaC(=O)ORb;

Y is independently a bond or C₁-C₃alkylene;

Ra is independently H or C₁-C₃alkyl;

Rb is independently H, C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl or C₀-C₃alkylheterocyclyl;

p is independently 1 or 2;

M is CR⁷R^{7'} ~~or NRu~~;

Ru is H or C₁-C₃alkyl;

~~R⁷ is C₁-C₆alkyl, C₀-C₃alkyl, C₃-C₇cycloalkyl, or C₂-C₆alkenyl, any of which is optionally substituted with 1-3 halo atoms, or an amino, -SH or C₀-C₃alkylcycloalkyl group; or~~

~~R⁷ is J;~~

~~R⁷ is H or taken together with R⁷ forms a C₃-C₆cycloalkyl ring optionally substituted with R^{7a} wherein;~~

~~R^{7a} is C₁-C₆alkyl, C₃-C₅cycloalkyl, C₂-C₆alkenyl any of which may be optionally substituted with halo; or R^{7a} is J;~~

~~q' is 0 or 1 and k is 1 to 3;~~

Rz is H, or together with the asterisked carbon forms an olefinic bond;

Rq is H or C₁-C₆alkyl;

W is ~~[[-CH₂-]], -O- or -OC(=O)H, -OC(=O)-, -S- [[, -NH-, -NRa, -NHSO₂-, -NHC(=O)NH- or -NHC(=O)-, -NHC(=S)NH- or a bond]];~~

~~R⁸ is a ring system containing 1 or 2 saturated, partially saturated or unsaturated rings each of which has 4-7 ring atoms and each of which has 0 to 4 hetero atoms selected from S, O and N, the ring system being optionally spaced from W by a C₁-C₃alkyl group; or R⁸ is C₁-C₆alkyl; any of which R⁸ groups can be optionally mono, di, or tri substituted with R⁹, wherein~~

~~R⁹ is independently selected from the group consisting of halo, oxo, nitrile, azido, nitro, C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, NH₂C(=O)-, Y-NRaRb, Y-O-Rb, Y-C(=O)Rb, Y-(C=O)NRaRb, Y-NRaC(=O)Rb, Y-NHSO_pRb, Y-S(=O)_pRb, Y-S(=O)_pNRaRb, Y-C(=O)ORb and Y-NRaC(=O)ORb; wherein said carbocyclyl or heterocyclyl moiety is optionally substituted with R¹⁰; wherein~~

~~R¹⁰ is C₁-C₆alkyl, C₃-C₇cycloalkyl, C₁-C₆alkoxy, amino, sulfonyl, (C₁-C₃ alkyl)sulfonyl, NO₂, OH, SH, halo, haloalkyl, carboxyl, amido;~~

~~Rx is H or C₁-C₅alkyl; or Rx is J;~~

~~T is -CHR¹¹- or -NRd-, where Rd is H, C₁-C₃alkyl or Rd is J;~~

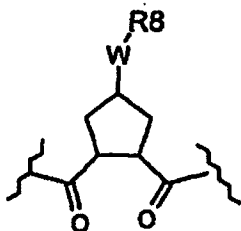
~~R¹¹ is H or R¹¹ is C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, any of which can be substituted with 1 to 3 substituents independently selected from the group consisting of halo, oxo, nitrile, azido, nitro, C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, NH₂CO-, Y-NRaRb, Y-O-Rb, Y-C(=O)Rb, Y-(C=O)NRaRb, Y-NRaC(=O)Rb, Y-NHSO_pRb, Y-S(=O)_pRb, Y-S(=O)_pNRaRb, Y-C(=O)ORb, Y-NRaC(=O)ORb; or R¹¹ is J;~~

~~J, if present, is a single 3 to 10-membered saturated or partially unsaturated alkylene chain extending that extends from the R⁷/R⁷ cycloalkyl or from the carbon atom to which R⁷ is attached to one of Rd, Rj, Rx, Ry or R¹¹ G to form and forms a macrocycle, which chain is optionally~~

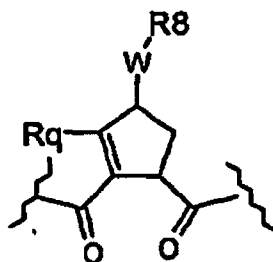
interrupted by one to three heteroatoms independently selected from: -O-, -S- or -NR¹²-, and wherein 0 to 3 carbon atoms in the chain are optionally substituted with R¹⁴; wherein;
R¹² is H, C₁-C₆ alkyl, C₃-C₆cycloalkyl, or COR¹³;
R¹³ is C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl;
R¹⁴ is independently selected from H, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy, hydroxyl, halo, amino, oxo, thio, or C₁-C₆ thioalkyl;
m is 0 or 1; n is 0 or 1;
U is O or is absent;
~~R¹⁵ is H, C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, any of which can be substituted with 1 to 3 substituents independently selected from the group consisting of halo, oxo, nitrile, azido, nitro, C₁-C₆ alkyl, C₀-C₃alkylheterocyclyl, C₀-C₃alkylcarbocyclyl, NH₂C(=O)-, Y-NRaRb, Y-O-Rb, Y-C(=O)Rb, Y-(C=O)NRaRb, Y-NRaC(=O)Rb, Y-NHSO_pRb, Y-S(=O)_pRb, Y-S(=O)_pNRaRb, Y-C(=O)ORb and Y-NRaC(=O)ORb;~~
G is -O-, -NRy-, or -NRjNRj-;
Ry is H, C₁-C₃ alkyl; or Ry is J;
one Rj is H and the other Rj is H or J;
R¹⁶ is H; or R¹⁶ is C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, any of which can be substituted with halo, oxo, nitrile, azido, nitro, C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, NH₂CO-, Y-NRaRb, Y-O-Rb, Y-C(=O)Rb, Y-(C=O)NRaRb, Y-NRaC(=O)Rb, Y-NHSO_pRb, Y-S(=O)_pRb, Y-S(=O)_pNRaRb, Y-C(=O)ORb, Y-NRaC(=O)ORb; or a pharmaceutically acceptable salt or prodrug thereof.

2. (Canceled)

3. (Original) A compound according to claim 1, with the partial structure:



4. (Withdrawn) A compound according to claim 1, with the partial structure



5. (Withdrawn-currently amended) A compound according to claim 4, wherein Rq is C₁-C₃ alkyl, ~~preferably methyl.~~

6-8. (Canceled)

9. (Currently amended) A compound according to claim 7 ~~1~~, wherein R¹⁶ is H, C₁-C₆alkyl or C₃-C₆cycloalkyl.

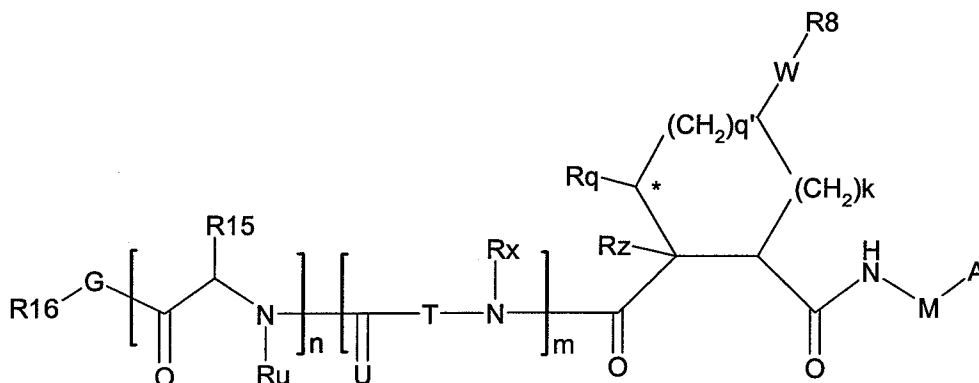
10-23. (Cancelled)

24. (Currently amended) A compound according to claim 1, wherein W is ~~-S-, a bond or especially -O-~~.

25. (Currently amended) A compound according to claim ~~23~~ or 24 wherein R⁸ is optionally substituted C₀-C₃alkylcarbocyclyl or optionally substituted C₀-C₃alkylheterocyclyl.

26. (Currently amended) A compound according to claim 25, wherein the C₀-C₃ alkyl moiety is methylene or ~~preferably a bond.~~

27. (Currently amended) A compound of formula VI: ~~according to claim 26~~



VI

wherein

A is $C(=O)NHSO_2R^2$, or $C(=O)OR^1$ wherein:

R^1 is H or C_1 - C_6 alkyl;

R^2 is C_1 - C_6 alkyl, C_0 - C_3 alkylcarbocyclyl, C_0 - C_3 alkylheterocyclyl;

wherein R^2 , is optionally substituted with 1 to 3 substituents independently selected from the group consisting of halo, oxo, nitrile, azido, nitro, C_1 - C_6 alkyl, C_0 - C_3 alkylcarbocyclyl, C_0 - C_3 alkylheterocyclyl, $NH_2C(=O)-$, $Y-NRaRb$, $Y-O-Rb$, $Y-C(=O)Rb$, $Y-(C=O)NRaRb$, $Y-NRaC(=O)Rb$, $Y-NHSO_pRb$, $Y-S(=O)_pRb$, $Y-S(=O)_pNRaRb$, $Y-C(=O)ORb$ and $Y-NRaC(=O)ORb$;

Y is independently a bond or C_1 - C_3 alkylene;

Ra is independently H or C_1 - C_3 alkyl;

Rb is independently H, C_1 - C_6 alkyl, C_0 - C_3 alkylcarbocyclyl or C_0 - C_3 alkylheterocyclyl;

p is independently 1 or 2;

M is $CR^7R^{7'}$;

$R^{7'}$ taken together with R^7 forms a C_3 - C_6 cycloalkyl ring substituted with J;

q' is 0 and k is 1;

Rz is H or together with the asterisked carbon forms an olefinic bond;

Rq is H or C_1 - C_6 alkyl;

W is -O-, or -S-;

J is a single 3 to 10-membered saturated or partially unsaturated alkylene chain that extends from the $R^7/R^{7'}$ cycloalkyl to G and forms a macrocycle, which chain is optionally interrupted by one to three heteroatoms independently selected from: -O-, -S- or $-NR^{12}-$, and wherein 0 to 3 carbon atoms in the chain are optionally substituted with R^{14} ; wherein:

R^{12} is H, C_1 - C_6 alkyl, C_3 - C_6 cycloalkyl, or COR^{13} ;

R¹³ is C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl;

R¹⁴ is independently selected from H, C₁-C₆alkyl, C₁-C₆haloalkyl, C₁-C₆alkoxy, hydroxy, halo, amino, oxo, thio, or C₁-C₆ thioalkyl;

m is 0; n is 0;

G is -NR_y- or -NR_jNR_j-;

R_y is J;

one R_j is H and the other R_j is H or J;

R¹⁶ is H; or R¹⁶ is C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, any of which can be substituted with halo, oxo, nitrile, azido, nitro, C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, C₀-C₃alkylheterocyclyl, NH₂CO-, Y-NRaRb, Y-O-Rb, Y-C(=O)Rb, Y-(C=O)NRaRb, Y-NRaC(=O)Rb, Y-NHSO_pRb, Y-S(=O)_pRb, Y-S(=O)_pNRaRb, Y-C(=O)ORb, Y-NRaC(=O)ORb; wherein R⁸ is C₀-C₃alkylaryl, or C₀-C₃alkylheteroaryl, either of which is optionally mono, di, or tri substituted with R⁹, wherein;

R⁹ is C₁-C₆ alkyl, C₁-C₆alkoxy, NO₂, OH, halo, trifluoromethyl, amino or amido optionally mono- or di-substituted with C₁-C₆alkyl, carboxy, C₀-C₃alkylaryl, ~~C₀-C₃alkylheteroaryl~~ or C₀-C₃alkylheteroaryl, ~~carboxyl~~ the aryl or heteroaryl being optionally substituted with R¹⁰; wherein R¹⁰ is C₁-C₆alkyl, C₃-C₇cycloalkyl, C₁-C₆alkoxy, amino optionally mono- or di-substituted with C₁-C₆alkyl, C₁-C₃ alkyl amide, sulfonylC₁-C₃alkyl, NO₂, OH, halo, trifluoromethyl, carboxyl, or heteroaryl.

28. (Original) A compound according to claim 27 wherein R⁹ is C₁-C₆ alkyl, C₁-C₆alkoxy, amino, di-(C₁-C₃ alkyl)amino, C₁-C₃alkylamide, aryl or heteroaryl, the aryl or heteroaryl being optionally substituted with R¹⁰; wherein

R¹⁰ is C₁-C₆alkyl, C₃-C₇cycloalkyl, C₁-C₆alkoxy, amino, mono- or di-C₁-C₃ alkylamino, amido, C₁-C₃ alkylamide, halo, trifluoromethyl, or heteroaryl.

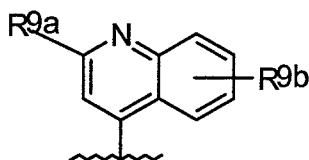
29. (Original) A compound according to claim 28, wherein, R¹⁰ is C₁-C₆alkyl, C₁-C₆alkoxy, amino optionally mono- or di-substituted with C₁-C₃ alkyl, amido, C₁-C₃-alkylamide, halo, or heteroaryl.

30. (Original) A compound according to claim 29 wherein R¹⁰ is methyl, ethyl, isopropyl, tert-butyl, methoxy, chloro, amino optionally mono- or di substituted with C₁-C₃ alkyl, amido, C₁-C₃alkylamide, or C₁-C₃alkyl thiazolyl.

31. (Original) A compound according to claim 26, wherein R⁸ is 1-naphthylmethyl, 2-naphthylmethyl, benzyl, 1-naphthyl, 2-naphthyl, or quinolinyll any of which is unsubstituted, mono, or disubstituted with R⁹ as defined.

32. (Original) A compound according to claim 31 wherein R⁸ is 1-naphthylmethyl, or quinolinyll any of which is unsubstituted, mono, or disubstituted with R⁹ as defined.

33. (Original) A compound according to claim 32 wherein R⁸ is:



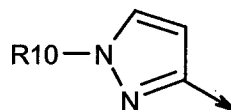
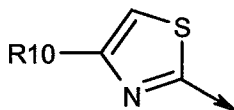
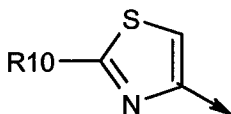
wherein R^{9a} is C₁-C₆ alkyl; C₁-C₆alkoxy; thioC₁-C₃alkyl; amino optionally substituted with C₁-C₆alkyl; C₀-C₃alkylaryl; or C₀-C₃alkylheteroaryl, C₀-C₃alkylheterocyclyl, said aryl, heteroaryl or heterocycle being optionally substituted with R¹⁰ wherein

R¹⁰ is C₁-C₆alkyl, C₀-C₃alkyl, C₃-C₇cycloalkyl, C₁-C₆alkoxy, amino optionally mono- or di-substituted with C₁-C₆alkyl, amido, C₁-C₃alkyl amide; and

R^{9b} is C₁-C₆ alkyl, C₁-C₆-alkoxy, amino, di(C₁-C₃alkyl)amino, (C₁-C₃alkyl) amide, NO₂, OH, halo, trifluoromethyl, carboxyl.

34. (Original) A compound according to claim 33, wherein R^{9a} is aryl or heteroaryl, either of which is optionally substituted with R¹⁰ as defined.

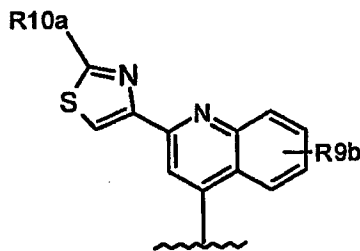
35. (Currently amended) A compound according to 34, wherein R^{9a} is selected from the group ~~consisted~~ consisting of:



wherein R¹⁰ is H, C₁-C₆alkyl, or C₀-C₃alkylcycloalkyl, amino optionally mono- or di-substituted with C₁-C₆alkyl, amido, (C₁-C₃alkyl)amide.

36. (Withdrawn) A compound according to claim 34, wherein R^{9a} is optionally substituted phenyl, preferably phenyl substituted with C₁-C₆alkyl; C₁-C₆alkoxy; or halo.

37. (Withdrawn) A compound according to claim 33, wherein R⁸ is:



wherein R^{10a} is H, C₁-C₆alkyl, C₀-C₃alkylcarbocyclyl, amino optionally mono- or di-substituted with C₁-C₆alkyl, amido, (C₁-C₃ alkyl)amide, heteroaryl or heterocyclyl; and R^{9b} is C₁-C₆ alkyl, C₁-C₆-alkoxy, amino, di(C₁-C₃ alkyl)amino, (C₁-C₃ alkyl)amide, NO₂, OH, halo, trifluoromethyl, or carboxyl.

38. (Original) A compound according to any claim 33, wherein R^{9b} is C₁-C₆-alkoxy, preferably methoxy.

39. (Currently amended) A compound according to claim 1, wherein A is $C(=O)NHSO_2R^2$ R² is optionally substituted C₁-C₆ alkyl.

40. (Withdrawn-Currently amended) A compound according to claim 39, wherein R² is ~~optionally substituted C₁-C₆ alkyl, preferably methyl~~.

41. (Currently amended) A compound according to claim [[39]] 1, wherein R² is optionally substituted C₃-C₇cycloalkyl, ~~preferably cyclopropyl~~.

42. (Withdrawn-Currently amended) A compound according to claim [[39]] 1, wherein R² is optionally substituted C₀-C₆alkylaryl, ~~preferably optionally substituted phenyl~~.

43. (Withdrawn-Currently amended) A compound according to claim 1, wherein A is C(=O)OR¹ wherein R¹ is H.

44. (Withdrawn-Currently amended) A compound according to claim [[43]] 1 wherein A is C(=O)OR¹, wherein R¹ is H or C₁-C₆ alkyl, ~~preferably hydrogen, methyl, ethyl, or tert-butyl~~.

45. (Cancelled)

46. (Currently amended) A compound according to claim 2 1, wherein R⁷ and R^{7'} together define a spiro-cyclopropyl or spiro-cyclobutyl ring, ~~both optionally mono or di-substituted with R^{7a} wherein;~~
~~R^{7a} is C₁-C₆ alkyl, C₃-C₅ cycloalkyl, or C₂-C₆ alkenyl, any of which is optionally substituted with halo; or R^{7a} is J.~~

47-48. (Cancelled)

49. (Currently amended) A compound according to claim 1, wherein J is a 3 to 8-membered saturated or unsaturated alkylene chain optionally containing one to two heteroatoms independently selected from: -O-, -S- or -NR¹²-, wherein R¹² is H, C₁-C₆ alkyl, ~~such as methyl,~~ or -C(=O)C₁-C₆ alkyl, ~~such as acetyl.~~

50. (Original) A compound according to claim 49, wherein J is a 4 to 7-membered saturated or unsaturated, all carbon alkylene chain.

51. (Original) A compound according to claim 49, wherein J is saturated or mono-unsaturated.

52. (Original) A compound according to claim 49, wherein J is dimensioned to provide a macrocycle of 14 or 15 ring atoms.

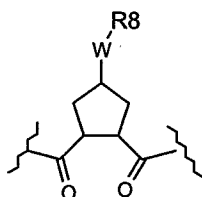
53. (Withdrawn) A pharmaceutical composition comprising a compound as defined in claim 1 and a pharmaceutically acceptable carrier therefore.

54. (Withdrawn) A pharmaceutical composition according to claim 53, further comprising an additional HCV antiviral, selected from nucleoside analogue polymerase inhibitors, protease inhibitors, ribavirin and interferon.

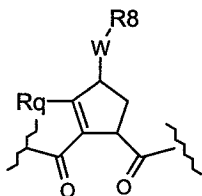
55-57. (Cancelled)

58. (New) A compound according to claim 4 wherein R_q is methyl.
59. (New) A compound according to claim 9, wherein R¹⁶ is H or methyl.
60. (New) A compound according to claim 41, wherein R² is cyclopropyl.

61. (New) A compound according to claim 27, with the partial structure:



62. (New) A compound according to claim 27, with the partial structure



63. (New) A compound according to claim 62, wherein R_q is C₁-C₃ alkyl
64. (New) A compound according to claim 63, wherein R_q is methyl.
65. (New) A compound according to claim 27, wherein W is -O-.
66. (New) A compound according to claim 27, wherein the C₀-C₃ alkyl moiety of R⁸ is a bond.
67. (New) A compound according to claim 27, wherein R¹⁶ is H or methyl.
68. (New) A compound according to claim 27, wherein R² is optionally substituted C₃-C₇cycloalkyl,
69. (New) A compound according to claim 68, wherein R² is cyclopropyl.

70. (New) A compound according to claim 27, wherein J is a 3 to 8-membered saturated or unsaturated alkylene chain optionally containing one to two heteroatoms independently selected from: -O-, -S- or -NR¹²-, wherein R¹² is H, or C₁-C₆ alkyl.
71. (New) A compound according to claim 70, wherein J is a 4 to 7-membered saturated or unsaturated, all carbon alkylene chain.
72. (New) A compound according to claim 70, wherein J is saturated or mono-unsaturated.
73. (New) A compound according to claim 70, wherein J is dimensioned to provide a macrocycle of 14 or 15 ring atoms.
74. (New) A compound according to claim 27 wherein
A is C(=O)NHSO₂R²;
R² is C₀-C₃alkylcarbocyclyl;
R_z is H;
R_q is H;
W is -O-;
J is a single 4 to 7-membered mono-unsaturated alkylene chain that extends from the R⁷/R^{7'} cycloalkyl to G and forms a macrocycle;
G is -NR_y-;
R_y is J;
R¹⁶ is C₁-C₆alkyl;
R⁸ is heteroaryl, which is optionally mono, di, or tri substituted with R⁹, wherein;
R⁹ is C₁-C₆ alkyl, C₁-C₆alkoxy, or heteroaryl, the heteroaryl being optionally substituted with R¹⁰;
wherein R¹⁰ is C₁-C₆alkyl.
75. (New) A compound according to claim 27 wherein
R² is cyclopropyl;
R_z is H;
R_q is H;
W is -O-; and

N-{4-[4-(4-Cyclopropanesulphonylaminocarbonyl-13-methyl-2,14-dioxo-3,13-diaza-tricyclo[13.3.0.0*4,6]octadec-7-en-17-yloxy)-7-methoxy-quinoli-2-yl]-thiazol-2-yl}-3,3dimethylbutyramide;

17-[2-(2-Isopropylamino-thiazol-4-yl)-7-methoxy-quionlin-4-yloxy]-13-methyl-2,14-dioxo-3,13-diaza-tricyclo[13.3.0.0*4,6*]octadec-7-ene-4-carboxylic acid ethyl ester;

17-[2-(2-Isopropylamino-thiazol-4-yl)-7-methoxy-quionlin-4-yloxy]-13-methyl-2,14-dioxo-3,13-diaza-tricyclo[13.3.0.0*4,6*]octadec-7-ene-4-carboxylic acid; and

Cyclopropanesulphonic acid {17-[2-(2-isopropylamino-thiazol-4-yl)-7-methoxy-quionlin-4-yloxy]-13-methyl-2,14-dioxo-3,13-diaza-tricyclo[13.3.0.0*4,6*]octadec-7-ene-4-carbonyl}-amide.

79. (New) A pharmaceutical composition comprising a compound as defined in claim 78, and a pharmaceutically acceptable carrier therefor.

80. (New) A compound according to claim 1, wherein R^2 is optionally substituted phenyl.

81. (New) A compound according to claim 1, wherein A is $C(=O)OR^1$, wherein R^1 is methyl, ethyl, or tert-butyl.